

Retreat Organization

Fulvia Pilat

- Goals
- Agenda
- Format
- “Deliverables”
- Practical organization information



Retreat Goals

Plan RHIC run 2003

Set realistic goals for machine and experiments

First step in decision process

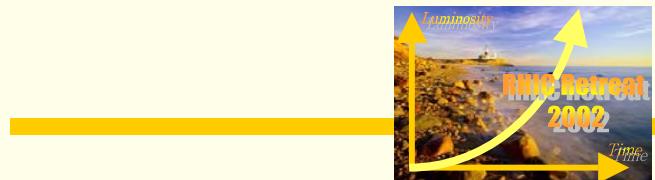
Set priorities for the shutdown

Review RHIC run 2001 experience



Machine Performance (Satogata, Ahrens)

14:00 - 15:30		
Linear lattice, optics matching	T.Satogata	15
Coupling, working point	F.Pilat	15
Chromaticity, snapback, transverse emittance	S.Tepikian	15
Beta squeeze, triplet correction/performance	V.Ptitsyn	15
110 bunches, beam-beam/ramping, e-cloud	W.Fischer	15
Au transition crossing, triplet vibration	C.Montag	15
15:30-16:00 coffee break		
16:00-17:30		
Impedances and instabilities, single-bunch Imax	M. Blaskiewicz	15
Electron Cloud and related instabilities	S. Y. Zhang	10
Backgrounds, collimation, gap cleaning	A.Drees	15
Abort performance and issues	L.Ahrens	10
AGS polarization efficiency/plans	H.Huang	15
RHIC polarization transmission, issues	V.Ptitsyn	10
d/Au performance issues	J.Van Zeijts	15



Machine Reliability (Brennan, Bruno)

8:30-10:10

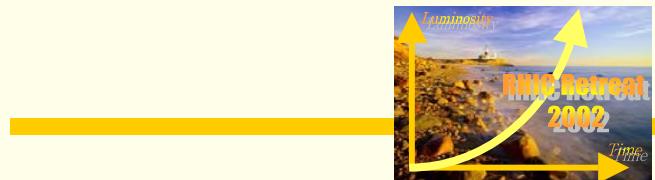
Overview and some definitions	M. Brennan	20
Reliability of Tune/Chromaticity/Orbit	T. Satogata	20
Reliability of Schedule	A. Drees	20
Correlations in FY01 statistics	P. Ingrassia	40

10:10-10:40 coffee break

10:40-12:00

Summaries of systems hardware plans:

·RF	M. Brennan	10
Power Supplies	D. Bruno	10
Cryogenics	A. Nicoletti	10
Quench detection	G. Ganetis	10
·Controls	B. Oerter	10
·Vacuum	H. C. Hseuh	10
Reliability of Machine Physics	S. Peggs	20



Machine Integration (Drees, VanZeijts)

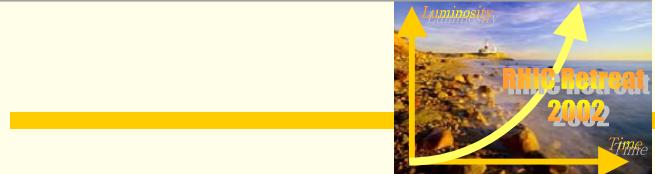
14:00-15:30

RHIC Experiments Integration	A. Drees	10
Brahms	F.Videbaek	10
Phenix	A. Frawley	10
Phobos	R.Pak	10
PP2PP	W.Guryn	10
Star	W. Christie	10
Spin Physics	N.Saito	10
Polarimeter	G. Bunce	10
Discussion		10

15:30-16:00 coffee break

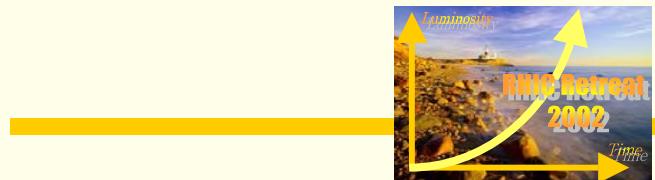
16:00-17:30

RHIC and Injectors Integration	J.Morris	15
Logger System	R. Lee	15
Ramps at flattop	J. van Zeijts	10
Cryogenics integration	A. Nicoletti	10
Quench tuning	G.Ganetis	10
RF ramp integration	M. Brennan	15
MCR operation	G. Marr	15



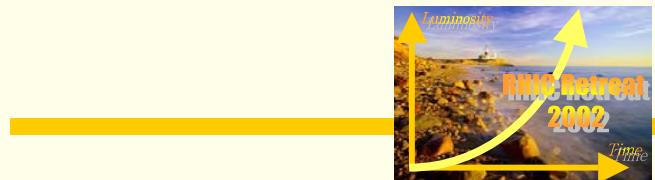
Beam Exp– Diagnostics (Cameron, Fischer)

8:30-10:00		
RHIC HF Instrumentation Plans	P. Cameron	15
LHC Chromaticity Control	H. Schmickler	15
Tune and Chromaticity	P.Cameron	15
Electron Detectors	H. Hseuh	5
IPM Performance and Plans	R. Connolly	10
BPM System Upgrade	T. Satogata	10
Longitudinal Damper/Transverse Coherence Monitor	M. Brennan	12
Transverse Dampers	A. Drees	8
10:00-10:30 coffee break		
10:30-12:00		
Benefits of Beam Experiments	F. Pilat	5
Transition Crossing Studies	C. Montag	10
Local Non-linear IR Correction	V. Ptitsyn	15
Transverse and Longitudinal Instabilities	M. Blaskiewicz	10
Beam-beam Effects	W. Fischer	15
Polarized Beam Manipulations	M. Bai	15
Pressure rise	S-Y Zhang	20



Closing Session

14:00-16:00		
The RHIC e-cooling projects	I.Ben-Zvi	30
The EIC project	S.Peggs	30
RHIC: the CERN perspective	H.Schmickler	15
RHIC: the FNAL perspective	M.Syphers	15
RHIC: the DESY perspective	B. Holzer	15
Preliminary summary	F.Pilat	15



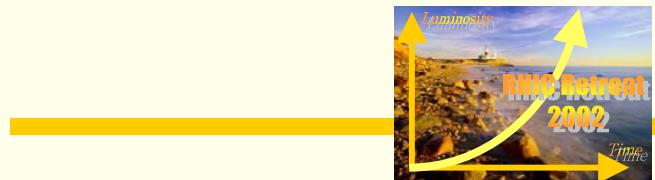
Retreat Format

- # Framework for formal and informal discussion and planning
- # The Retreat is **NOT** a conference
- # **Short talks**, triggers for discussion in the session (limited) and outside the session (breaks, meals, “miller-time”....)
- # **Time limits** enforced by the session organizers
- # We ask the speakers for **collaboration**



Retreat “deliverables”

- # Realistic goals/**plans** for Run 2003
- # **Closing session at BNL (Snyder)** in 2-3 weeks from the Retreat: session reports, overall summary
- # **Proceedings** (slides from presentations if clear, or short writeups) available as links from Retreat WEB Page
- # **Written Summary of Retreat** by the Retreat and Session organizers (including an executive summary), input to RBUP's, PAC, etc.



Practical organization information

